

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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ROBERT BRUNEL	10/08/2015
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16249283
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DATE SIGNED:	01/16/2019
Total Attachments: 4	
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ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

This is an Assignment of the following rights, title and interest: *(check all that apply)*

- United States of America rights, title and interest in the invention
- Foreign rights, title and interest in the invention
- The following United States Patent Application
United States Patent Application No.: 14/882,695
which was filed on: October 14, 2015
- United States Provisional Patent Application Serial No.: 62/112,358
- United States Patent No(s):
- International (PCT) Patent Application Serial No.:
- Other *(specify)*:

TITLE OF THE INVENTION:

DERIVATION OF HIERARCHY INDEXES

Inventors *(assignors)*

Name	Address
Jan Finis	SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany
Robert Brunel	SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Assignee

Name	Address
SAP SE	SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Whereas, we, the above-identified Inventor, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

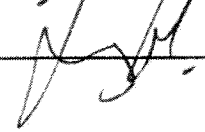
And we further authorize and request that attorney, Nandu A. Talwalkar, of Buckley, Maschoff & Talwalkar LLC, insert the filing date and application number of the above-referenced patent application when known;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures

Jan Finis:  _____

Date: 8th October 2015

Witnessed by:  _____

Date: 8th October 2015

Robert Brunel: _____

Date: _____

Witnessed by: _____

Date: _____

Inventors' Signatures

Jan Finis: _____

Date: _____

Witnessed by: _____

Date: _____

Robert Brunel: Robert Brunel

Date: Oct 08, 2015

Witnessed by: Norman Perry

Date: 8/10/2015